Technical Data Sheet

Lack 200

General Description

Paint AP Lack 200 is a glossy waterborne acrylate dispersion lacquer that is intended to be used on surfaces both inside and outside. The adhesion is good for concrete, asphalt, wood, plastic and ceramic materials.

Paint AP Lack 200 is easy to apply and dries quickly. As it is waterborne, it is also gentle on the environment.

Application areas

Paint AP Lack 200 is diffusion open, which allows painting on damp substrates and on substrates where moisture risk exists.

Paint AP Lack 200 is intended for surface lacquering of smooth surfaces, both indoors and outdoors. **Paint AP Lack 200** protects and reduces yellowing on surfaces exposed to direct sunlight.

Paint AP Lack 200 has very high scratch and heel mark resistance, but is not recommended as varnish where car tires and similar rubber are present.

Dense substrates, i.e. non-diffusion-open materials that are constantly underwater are not recommended to be lacquered with **Paint AP Lack 200**.

Surface Preparation

Concrete surfaces must be at least 14 days old and have a surface tensile strength of at least 1.5 MPa.

Cement skin and loose material should be removed from concrete surfaces. Any previous paint / coating should be removed. All abrasive dust should be removed by vacuuming. All types of fats and oils are removed appropriately.

Generally, dirty surfaces should be washed. Loose sitting paint and wood residues should be scraped, sanded or brushed away. Smooth surfaces should be roughened with sandpaper before painting. If there are thick and cracked paint layers, the paint should be removed. Mat sanding glossy and hard surfaces.

Application

Paint AP Lack 200 is applied with a brush, mohair roller or sprayed.

During drying, good air exchange is required so that the water in the lacquer can evaporate. If the air exchange is too poor, the relative humidity over the lacquer layer will be so high that water does not evaporate, resulting in the varnish not drying.

The lowest temperature on the surface before coating and during drying is + 10°C. Relative humidity during drying should not exceed 80% in the air.

Therefore, check the temperature and the relative humidity during the coating.

Tool cleaning

Wipe off any excess lacquer from the painting tools before cleaning in water. Seal the opened container tightly to avoid that the surface dries in the container. Liquid lacquer residues should be left to the local environmental station. Well emptied containers are left to the nearest recycling station.

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Typical Properties

Name:	Paint AP Lack 200
Density:	1041 kg/m^3
Viscosity:	0.2 Pa·s
Dry content:	35 %
Drying time, 23°C 50 % RF:	60 minutes
Re-coatable at 23°C and 50 % RF:	2 hours
Minimum application temp.:	+10°C
Adhesion to NM Grundering 560:	> 7 MPa
Adhesion to concrete:	> 4 MPa (concrete fail)
Adhesion to tile:	> 4 MPa (tile fail)
Internal tensile strength:	10 MPa
Gloss:	Blanc
VOC:	71 g/l
Limit (Kat A/d): 130 g/l (2010)	
Water vapour diffusion at 100 my layer thickness:	1x10^4 s/m 15 MPa·s·m^2/kg
S_d-value:	0.27 m
Consumption:	approx. 0.1 kg/m^2 / coat 7 – 9 m^2/litre and coat
Consumption:	*At least* 2 coats.
Normal packing:	3 kg
Cleaning solvent:	Water
Store free from frost.	
Cleanability:	Do not use alcohols when cleaning varnish surfaces.

Tensile strength: ISO 527
Water vapour diffusion: SS-EN 12752:2006
Gloss: ISO 2813:2014

Chemical resistance

Assessment according to:

- \- Not recommended
- \+ Works briefly
- ++ No problems

Petrol	+
Ethanol, 20 %	+
Engine oil	++
Sodium hydroxide, 10 %	++
Hydrochloric acid, 10 %	+
Water	++
Coffee	+
Coca-Cola	++

Note

Quality assurance:
In order to assure the quality of application, we have a form where important information is documented. The form is available from Nils Malmgren AB, telephone +46 303 936 10

Declaration of performance:
Can be obtained for this product. See our website or contact Nils Malmgren AB.

Disclaimer

This product's technical specifications are developed by experience in field and laboratory by us.
Fully cured will take place at seven days at +23°C and 50 % RF.

We reserve the right to change products as well as data. Current data sheets are available at our website and with us. We cannot assume responsibility for use in areas that we do not know. The user shall always evaluate products for their intended use and we guarantee only the material properties. For every product we offer reference objects separately.

Produkten bedömd i SundaHus Miljödata

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